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| Attorney's Docket No.: <u>042390P17285</u> | <u>Patent</u> |
| First Named Inventor: Shriram Ramanathan | • |
| Check One: | Complete If Known: |
| Declaration Submitted with Initial Filing OR | Application No.: 10/682,137 Filing Date: October 8, 2003 |
| X Declaration Submitted After Initial Filing (Surcharge under | Art Unit: Not Yet Assigned Examiner Name: Not Yet Assigned |

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (FOR INTEL CORPORATION PATENT APPLICATIONS)

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first,

| and joint inventor (if plural names are listed below) of | the subject matter whi | ch is claimed and for w | hich |
|----------------------------------------------------------|------------------------|-------------------------|------|
| a patent is sought on the invention entitled | | | |
| A MICROELECTRONIC ASSEMBLY HAV | ING THERMOELECTI | RIC ELEMENTS | |
| TO COOL A DIE AND A METHOD OF MA | KING THE SAME | | |
| | | | |
| | | | |
| the specification of which | | | |
| | | | |
| is attached hereto. | | | |
| X was filed on (MM/DD/YYYY) | 10/08/2003 | as | |
| United States Application Number | 10/682,137 | | |
| or PCT International Application Num | | | |
| and was amended on (MM/DD/YYYY | | • | |
| | (if applicable) | | |
| | (= PP) | | |

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed:

| Prior Foreign App | lication(s) | | Prio <u>Claim</u> | • | • • • | tified \ttached? |
|-------------------|-------------|------------------------------------|----------------------|----|-------|---------------------|
| (Number) | (Country) | (Foreign Filing Date - MM/DD/YYYY) | Yes | No | Yes | No |
| (Number) | (Country) | (Foreign Filing Date - MM/DD/YYYY) | Yes | No | Yes | No |
| (Number) | (Country) | (Foreign Filing Date - MM/DD/YYYY) | Yes | No | Yes | No |

I hereby appoint the persons listed on Appendix A hereto (which is incorporated by reference and a part of this document) as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U. S. Patent and Trademark Office connected herewith.

Direct all correspondence to:

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INTEL CORPORATION

Rev. 05/05/03 (D3 INTEL)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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| Inventor's Signature | Luger M. Church | Date | 11/18/03 | |
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